

Table 20.9 from (1972AJ02): Primary capture transitions in $^{19}\text{F}(n, \gamma)^{20}\text{F}$ ^a

Final state $^{20}\text{F}^*$ (MeV)	I_γ ^b from $^{20}\text{F}^*(6.60)$		I_γ ^b from $^{20}\text{F}^*(6.63)$		I_γ ^b from $^{20}\text{F}^*(6.65)$	
	(1968SP01)	(1969HA04)	(1965BI03)	(1967BE36)	(1965BI03)	(1967BE36)
0	11	10	< 1		< 1	5 ± 3
0.66	< 0.1		4	6 ± 2	5	9
0.82	< 0.1				(2)	} 13
0.98	1.5	2			5	
1.06 ^c	5	6				
1.31	3	3	25	32 ± 2	5	12
1.84	2	2				
1.97	0.1		22	50 ± 2	5	} 42 ± 2
2.04	6	6	25		20	
2.19			4		6	
2.87			3			
2.97	< 0.2				11	
3.49	2.5	2				
3.53	2		5	} 8 ± 1	10	} 20 ± 2
3.59	4.4	4				
3.68	1	1				
3.97		1				
4.08		1	4	5 ± 2	4	
4.28	1	1				
5.04			3			
5.41	0.5					
5.55	3					
5.94	17	13				
6.02 ^c	38	48				
6.04	2					

^a See also Tables 20.6 and 20.8 and (1968BL1C).

^b In units of photons/100 captures.

^c E_γ for the transitions (6.60 \rightarrow 0), (6.60 \rightarrow 1.06) and (6.60 \rightarrow 6.02) are, respectively, 6599.8 ± 3.0 , 5534.9 ± 2.0 and 583.6 ± 0.5 keV (1967VA08).